



Transition
Administrator

The Official Reconfiguration Manager

800 MHz Transition Administrator

Virginia 800 MHz Rebanding Symposium

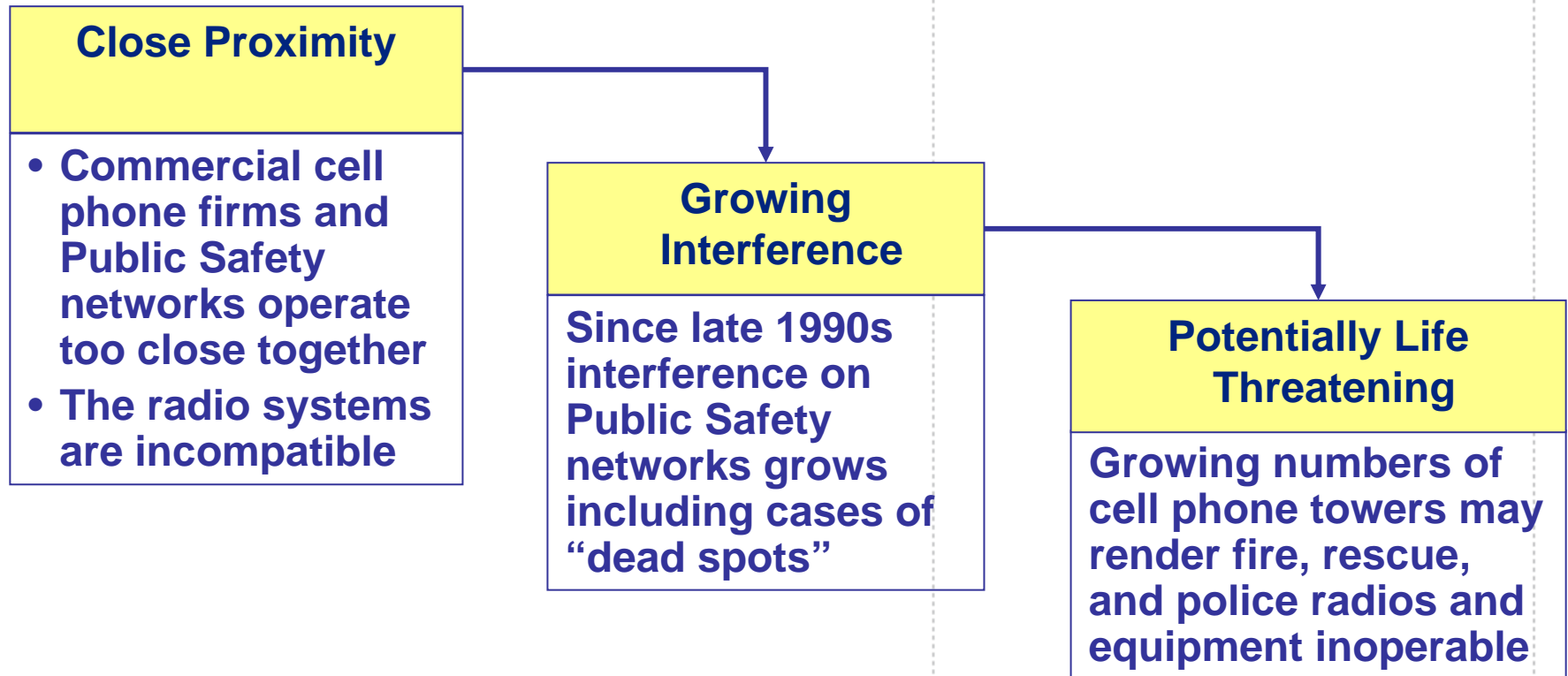
Richmond, VA

June 15-16, 2005



Background for 800 MHz Reconfiguration

The 800 MHz Reconfiguration Program is the FCC's plan to promote safety and protect the lives of first responders and other emergency personnel by addressing the harmful interference to public safety communication systems operating in the 800MHz band.



800 MHz Band Reconfiguration Background

The 800 MHz reconfiguration is part of the FCC's plan to address the harmful interference to public safety communication systems operating in the 800 MHz band.

Goals

- ▶ To resolve the root cause of interference to public safety radio networks
- ▶ To provide additional 800 MHz spectrum for public safety agencies

Guiding Principles

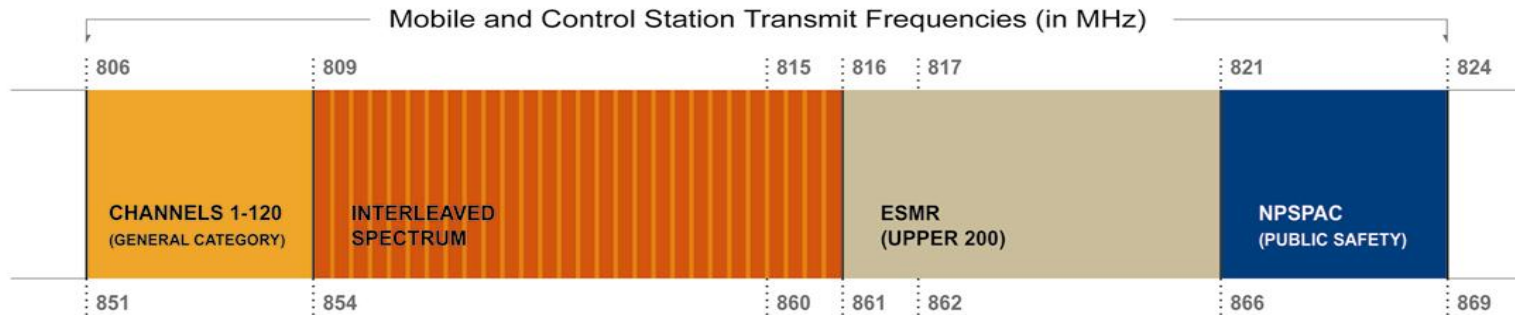
- ▶ Treat licensees equitably
- ▶ Keep disruption to a minimum for spectrum users and the public

How Licensees Will Be Affected

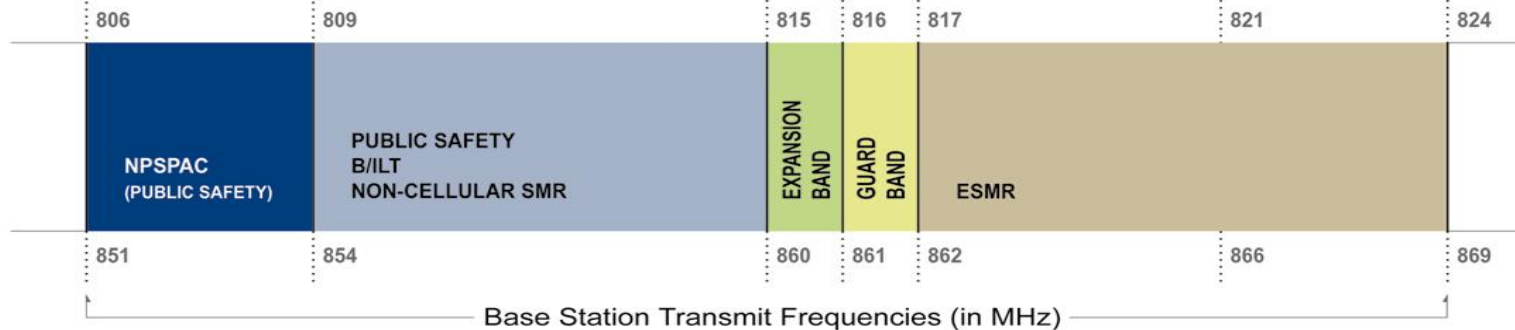
- ▶ Public safety licensees will move to lower segments of the spectrum in the 800 MHz band
- ▶ Commercial cell companies will move to higher segments of the 800 MHz band
- ▶ Creation of a guard band as buffer to separate signals from different types of networks
- ▶ Band reconfiguration will have no cost to licensees

Who Needs to Reconfigure?

Current Channels



Reconfigured Channels





Who Needs to Reconfigure?

- **There is a slightly different 800 MHz band plan for certain areas in the Southeastern United States (sometimes known as the “Appendix G area”). In these affected areas, licensees operating at 812.5-817 MHz/857.5-862 MHz may also be required to relocate.**
- **Licensees generally operating within 110 km (68.4 miles) of the Mexican border and 140 km (87 miles) of the Canadian border may also need to reconfigure.**
- **Licensees operating below 817 MHz/862 MHz may elect to relocate to the “Guard Band” at 816-817 MHz/861-862 MHz.**



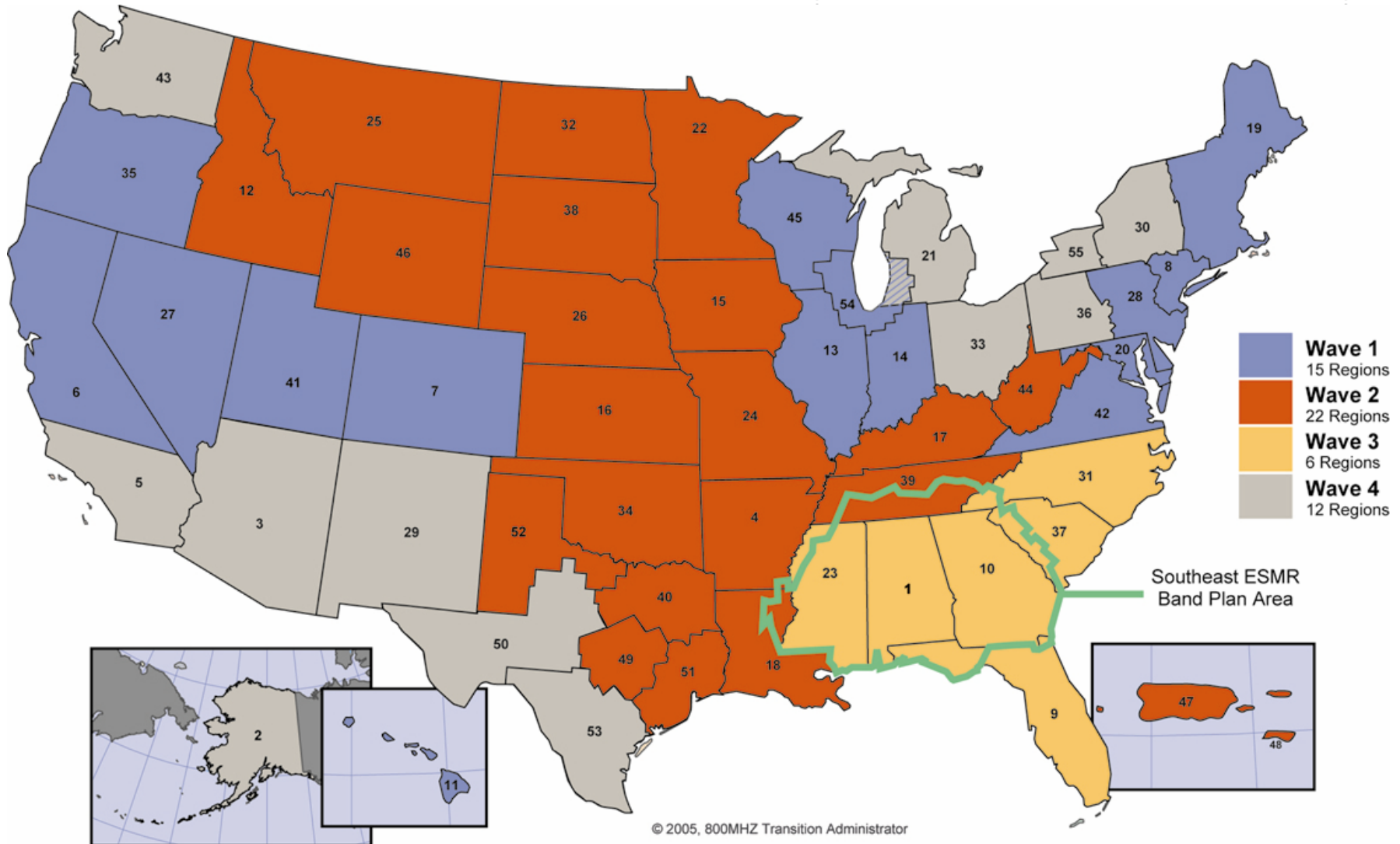
The 800 MHz Transition Administrator

The TA is charged by the FCC to facilitate 800 MHz band reconfiguration in an expeditious, cost-effective manner with minimal disruption to licensees. The TA's responsibilities are to:

- Establish a relocation schedule
- Oversee the administrative and financial aspects of the reconfiguration process
- Specify replacement spectrum for relocating licensees
- Monitor and facilitate issue resolution related to the relocation process
- Approve licensee requests for planning funding
- Approve licensee relocation Cost Estimates/reconfiguration contracts
- Report progress of 800 MHz reconfiguration to the FCC

The TA oversees the reconfiguration of the 800 MHz band

Regional Prioritization Plan





Regional Prioritization Plan

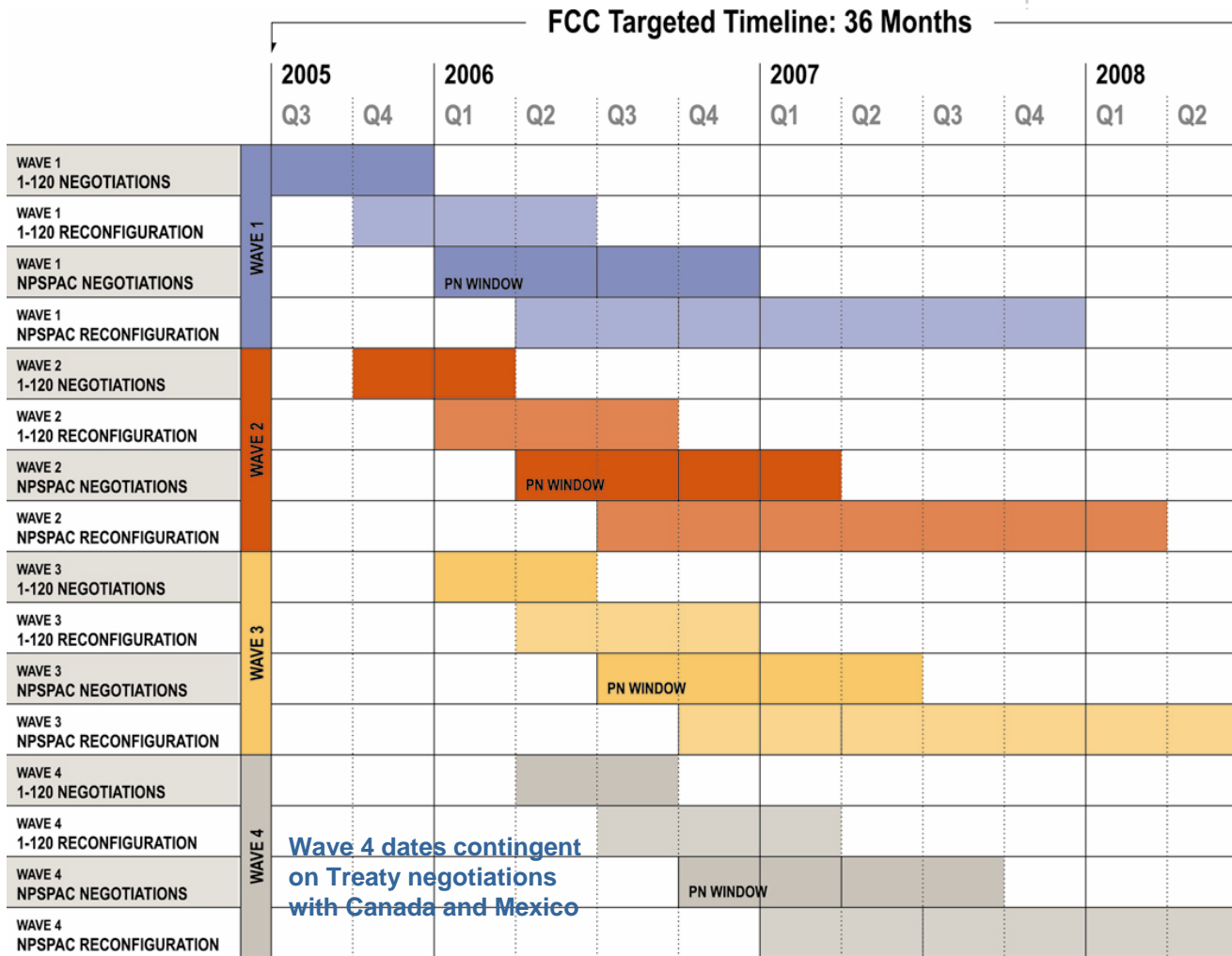
	WAVE 1	WAVE 2	WAVE 3	WAVE 4
Channels 1-120 Wave Voluntary Start Dates	June 27, 2005	October 3, 2005	January 3, 2006	April 3, 2006*
Earliest NPSPAC Voluntary Start Dates	February 1, 2006	May 1, 2006	August 1, 2006	November 1, 2006*

*Pending treaties with Canada and Mexico

Channels 1-120 are the frequencies in the 806-809 MHz / 851-854 MHz band. Licensees with those frequencies reconfigure first to clear space for the NPSPAC licensees.



Regional Prioritization Plan



NOTE: PN window is the period during which Public Notice announces the start of NPSPAC region negotiations

Key Considerations:

- Know when you are scheduled to relocate (site-based licensees visit 800TA.org/tools.htm)
- If relocation is optional (e.g., Public Safety in the expansion band), decide if you intend to relocate
- Align your activities and schedule with the Regional Prioritization Plan

Channels 1-120 are the frequencies in the 806-809 MHz / 851-854 MHz band.



Licensee Reconfiguration Process





Provide Contact Information

Planning and
Negotiation Phase

- **Using forms provided in TA mailing prior to the start of voluntary negotiations, provide primary and secondary points of contact for your organization**
- **Due to varied address information in the FCC database you may receive multiple forms from the TA**
 - **Consolidate all the letters into a single response incorporating all related call signs**
 - **If you have licenses in the name of subsidiary organizations, and expect to reconfigure those systems concurrently with your systems, enter the same parent-organization name on each Form and return them together.**
 - **Provide completed forms to TA within 30 days**
- **Contact information is needed for:**
 - **Timely notification of frequency assignments, other important notifications and events**
 - **Receipt of payments**

Submit a Request For Planning Funding If Necessary

Planning and
Negotiation Phase

- **Determine the level of planning activities you will need to perform and decide if you want to obtain funding for planning from Nextel**
- **Select vendors to assist you with planning activities and obtain firm bids and quotes**
- **Estimate the amount of time and associated cost your internal personnel will spend on planning**
- **Complete a Request for Planning Funding form (available on the TA's website)**
- **Submit the Request for Planning Funding to Nextel and sign a letter agreement with Nextel authorizing planning funding**
- **We encourage you to request that Nextel pay your vendors directly**
- **Maintain documentation of actual planning costs**



- Only inventory operating on an 800 MHz system subject to reconfiguration shall be included in the inventory
- Vendors can provide data collection templates and other tools

End User Equipment	Network Equipment
<ul style="list-style-type: none">• Mobiles, portables, accessories• Public Safety: Devices used on your licensed system that are assigned to related agencies• Serial number-level detail and exact counts generally not required• Consult with equipment vendor to obtain level of detail necessary for determining reconfiguration method:<ul style="list-style-type: none">– Retune, reprogram or replace	<ul style="list-style-type: none">• Relevant categories of equipment include:<ul style="list-style-type: none">– Repeaters and site facilities – combiners, antennae, duplexers, etc.– Centralized facilities, consoles and management systems– Bi-directional amplifiers with precise geographic location– Special applications like mobile data systems or SCADA



Define Interoperability Environment

Planning and
Negotiation Phase

- **Thoroughly define the community operating on your system so that no one is missed**
- **Determine agencies operating on your licensed system**
- **Determine other systems programmed into your subscriber equipment**
- **Determine NPSPAC mutual aid channels used in your radios and network**
- **Define reconfiguration communications approach for affected user communities**



Evaluate Proposed New Frequencies

Planning and
Negotiation Phase

- TA will forward proposed new frequencies to all 800 MHz licensees that require reconfiguration
- Proposed new frequencies will be mailed approximately 30 days before the designated start date of voluntary negotiations for each stage
- Review proposed frequencies for comparability and plan to discuss with Nextel as the first item in negotiation
- Frequency advisors may be consulted if needed
- Changes to frequencies should be worked out directly with Nextel; Nextel will coordinate with the TA on concurrence for revised assignments
- As part of the reconfiguration agreement with Nextel, determine who will prepare and file FCC applications

Prepare Cost Estimate

Planning and
Negotiation Phase

- **The Cost Estimate defines in detail all of the costs required to reconfigure your system, including**
 - Equipment costs
 - Engineering/consulting/legal fees
 - Your internal labor costs
- **Select vendors to assist you with reconfiguration and obtain firm bids and quotes**
- **Estimate the amount of time and associated cost your internal personnel will spend on reconfiguration**
- **Prepare a Cost Estimate**
- **If you have a complex system, prepare a Statement of Work, including scope and description of planned activities with schedule and required resources**
- **Submit the Cost Estimate and Statement of Work, if prepared, to Nextel**

Negotiate Reconfiguration Contract with Nextel

Planning and
Negotiation Phase

- **Licensee and Nextel need to agree on:**
 - Licensee's new frequencies
 - Overall costs and timetable for reconfiguration
 - A cost estimate/Statement of Work if prepared
 - Any soft transaction costs (i.e, legal and administrative costs)
 - Payment terms
 - Who will prepare and file FCC applications
- **Once contract is ready for signing, Nextel will submit to TA along with the Cost Estimate (and Statement of Work if prepared) for review and approval. TA will either:**
 - Approve
 - Reject with explanation / recommended corrections
 - Request additional information

Guidelines for Negotiation

Planning and
Negotiation Phase

- **TA encourages direct negotiations between the licensee and Nextel as the fastest and most efficient method for reaching an agreement**
- **Both licensee and Nextel have option to use TA for exchange of information**
- **TA cannot negotiate on licensee's behalf**
- **Requests for TA involvement should be submitted in writing**

- **Submit a cost estimate to Nextel**
 - Costs estimates are a key component of the relocation agreement
 - Requests for Planning Funding should be submitted separately, if required
- **Enter into a contract with Nextel; TA will review and approve**
- **Receive payment from Nextel**
 - When vendors are not paid directly by licensees, vendors will be paid within 30 days of Nextel's receipt of licensee approved invoice (later of receipt of invoice or licensee acknowledgement of acceptance of goods/services)
 - Licensees will be paid within 30 days of contractually agreed milestones
- **When licensees are advanced funding based on a cost estimate, payments will be made at conclusion of reconfiguration to reflect actual costs**
 - Expenditures subject to audit by TA
 - Final payment by Nextel or refund from licensee/vendor depending upon true-up at close

Timeline for Funding Requests

	WAVE 1		WAVE 2		WAVE 3		WAVE 4	
	1-120	NPSPAC	1-120	NPSPAC	1-120	NPSPAC	1-120	NPSPAC
Voluntary Start Date for 1-120 / Earliest Date for NPSPAC Voluntary Start	Jun. 27 2005	Feb. 1 2006	Oct. 3 2005	May 1 2006	Jan. 3 2006	Aug. 1 2006	Apr. 3 2006*	Nov. 1 2006*
Planning Window Start	Apr. 15 2005	Nov. 18 2005	Jul. 20 2005	Feb. 15 2006	Oct. 20 2005	May 18 2006	Jan. 18 2006*	Aug. 18 2006*

*Tentative dates; actual dates for this Wave depend on border treaties with Mexico and Canada

- **Submit Request for Planning Funding to Nextel no earlier than 75 days prior to the start of the voluntary negotiation period for licensee's Wave and Stage**
- **The TA expects that there will be exceptional situations requiring early review. Valid reasons may include reconfiguration of large and complex systems, systems spanning more than one stage/wave and systems involving multiple organizations**
- **Submit Reconfiguration Cost Estimates as early as the voluntary negotiation start date**
- **If the licensee and Nextel jointly agree to submit a contract prior to defined start date, the TA will review such contracts early**

Reconfiguration Implementation Phase



Reconfiguration
Implementation

1. FCC Applications Filed and Granted for New Frequencies

- Licensee or Nextel file license application (to be determined as part of reconfiguration contract)

2. Nextel Clears Frequencies

- Nextel and licensee will arrange schedule details as part of the reconfiguration contract
- Nextel will notify licensee and the TA when the new frequencies have been cleared

3. Licensee Relocates To New Frequencies

- Upon notification from Nextel that it has discontinued operating on your new frequencies, you may begin retuning your system

4. Nextel Makes Payments For Reconfiguration

- Nextel will remit payments either to you or directly to your vendors in accordance with your contract
- For large and complex systems milestone payments may occur throughout the process if negotiated with Nextel

5. Acceptance Testing

- **Larger Public Safety and CII systems may want to conclude the retuning process with a formal acceptance test of the system to validate operations on the new frequencies**
- **We expect that the scope of such tests would vary considerably depending upon the size and complexity of the system**
- **If you will perform an acceptance test of your system, it must be included in the agreed upon Cost Estimate (and Statement of Work) that will be part of your Contract.**

6. Channel Surrender Applications Filed With FCC

- **Licensee and/or Nextel files per agreement**
- **Grant of application by FCC provides basis for TA and FCC to determine that frequencies are reconfigured and is a prerequisite to completion**

Reconfiguration Implementation Phase



Reconfiguration
Implementation

7. Licensee and Nextel Certify Completion

- Both parties validate that all obligations have been met
- Licensee provides certification of acceptance confirming receipt of comparable facilities, and payments received
- Completed documentation is forwarded to TA and TA registers reconfiguration as complete

8. Licensee Completes Other FCC Filings

- The FCC requires that licensees file a Certification of Construction when new frequencies are placed into operation
- If frequencies were assigned to Nextel for their use as part of the transaction, following the closing of the transaction, Nextel will file a Notice of Consummation with the FCC



Reconfiguration Guidelines

- **Initial release of Reconfiguration Guidelines on TA's website:**
 - Quick Reference Guide: www.800ta.org/PDFs/guide.pdf
 - Reconfiguration Handbook: www.800ta.org/PDFs/handbook.pdf
- **Wave 1 licensees will receive a mailing that includes:**
 - Quick Reference Guide
 - Point of Contact Form
 - Request for Planning Funding Form



Contact Information

Transition
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- www.800TA.org
- Comments@800ta.org
- 888.800.8220 (phone)
- 888.701.4380 (fax)